INTERNATIONAL SEARCH REPORT

International application No.
PCT/SG2004/000320

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000/049768 A1 (MITTELHO document	OLZER) 2	4 August 2000		1-19	
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05799 A (GANESAN) 18 M document	lay 1999		-	15, 16, 19	
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"L" document which may throw doubts on priority claim(s) "Y" document of particular relevance; the claimed invention cannot be consider involve an inventive step when the document is combined with one or more another citation or other special reason (as specified) such documents, such combination being obvious to a person skilled in the					
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INTERNATIONAL SEARCH REPORT

International application No. PCT/SG2004/000320

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons: 1. Claims Nos.:							
because they relate to subject matter not required to be searched by this Authority, namely: 2. Claims Nos.: because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically: 3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a) Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet) This International Searching Authority found multiple inventions in this international application, as follows: See extra sheet 1. As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims. 2. X As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee. 3. As only some of the required additional search fees were timely paid by the applicant, this international search report							
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No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:							
Remark on Protest							
No protest accompanied the payment of additional search fees.							

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/SG2004/000320

Supplemental Box

(To be used when the space in any of Boxes I to VIII is not sufficient)

Continuation of Box No:

The international application does not comply with the requirements of unity of invention because it does not relate to one invention or to a group of inventions so linked to form a single general inventive concept. In coming to this conclusion, the International Searching Authority has found that there are different inventions as follows:

- 1. Claims 1-14, 17 and 18 relate to cryptographically processing a message wherein the message is processed using a first partial cryptographic key corresponding to a decomposition of a private key, resulting in a first partially processed message, the message is processed using a second partial cryptographic key corresponding to the decomposition of the private key, resulting in a second partially processed message and the second partially processed message are combined resulting in a cryptographically processed message.
- 2. Claims 15, 16 and 19 relate to cryptographically processing a message wherein the message is processed using a partial cryptographic key corresponding to a decomposition of a private key, resulting in a partially processed message.

The above groups of inventions are no so linked as to form a single general inventive concept, that is, they do not have any common inventive features, which defines a contribution over the prior art. The common concept linking together these groups of claims is processing a message using a partial cryptographic key corresponding to a decomposition of a private key. However this concept is not novel in the light of any of the following documents:

D1: WO 2000/049768 A1 (MITTELHOLZER) 24 August 2000 D2: US 2002/0076042 A1 (SANDHU et al.) 20 June 2002

D3: US 5905799 A (GANESAN) 18 May 1999

Consequently the common feature does not constitute a 'special technical feature' within the meaning of PCT Rule 13.2 since it makes no contribution over the prior art. Therefore, these claims lack unity, a posteriori.

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No. **PCT/SG2004/000320**

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report		Patent Family Member			
WO	2000/049768	NONE			
US	2002/0076042	WO	2002/051062		
US	5905799	US	5588061		

Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.

END OF ANNEX